

PHILIPS**Whirlpool**

Service Manual

Microwave oven

AVM 606

Model	AVM 606 AV
Version	8538 606 01181
Version	8538 606 20181
Version	8538 606.29181
Version	8538 606 31181

Model	AVM 606 WH
Version	8538 606 01281
Version	8538 606 12281
Version	8538 606 15281
Version	8538 606 18281
Version	8538 606 20281
Version	8538 606 29281
Version	8538 606 31281
Version	8538 606 32281
Version	8538 606 38281

Introduction safty

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Spare part list	4812 714 80005

INTRODUCTION

Before leaving the factory each oven is carefully checked.
It must however, be installed and used correctly.

Despite all the steps taken to make the oven safe, the safety is dependent on the correct installation and the fact the user understands how to use and maintain the oven.

The information in this section should be used as a reminder that the oven is safe and that anyone who uses it must first read the instructions for use in order to be able to use the oven correctly and obtain the best results.

SAFETY

To avoid injury to yourself and damage to the appliance always work to the following rules when servicing an oven.

- Always disconnect the plug from the mains before starting work.
If there is no plug switch-off the electricity supply at the control box.
- When you have finished servicing an oven before you reconnect it to the mains, make sure that:
 - all the internal connections are correct
 - the wires are insulated and not touching the door or the cabinet or anything sharp
 - all the earth connections are electrically and mechanically sound
 - do not modify or anyway interfere with the safety devices built-in to the oven
 - make sure that each replacement part you use conforms to the manufacturer's specifications
- Do not start a repair if you have any doubt as to your ability to complete it.

CAUTION - MICROWAVE RADIATION

PERSONNEL SHOULD NOT BE EXPOSED TO THE MICROWAVE ENERGY WHICH MAY RADIATE FROM THE MAGNETRON, WAVEGUIDE OR ANTENNA IF THEY ARE IMPROPERLY USED OR CONNECTED. ALL INPUT AND OUTPUT MICROWAVE CONNECTIONS, WAVEGUIDES, FLANGES AND GASKETS MUST BE SECURE. NEVER OPERATE THE DEVICE WITHOUT A MICROWAVE ENERGY ABSORBING LOAD ATTACHED. NEVER LOOK INTO AN OPEN WAVEGUIDE OR ANTENNA WHILE THE DEVICE IS ENERGIZED. NEVER OPERATE AN OVEN WITH CABINET OFF WITHOUT MEASURING THE MICROWAVE LEAKAGE AROUND MAGNETRON AND VISIBLE MICROWAVE CONNECTIONS (WELDING JOINTS).

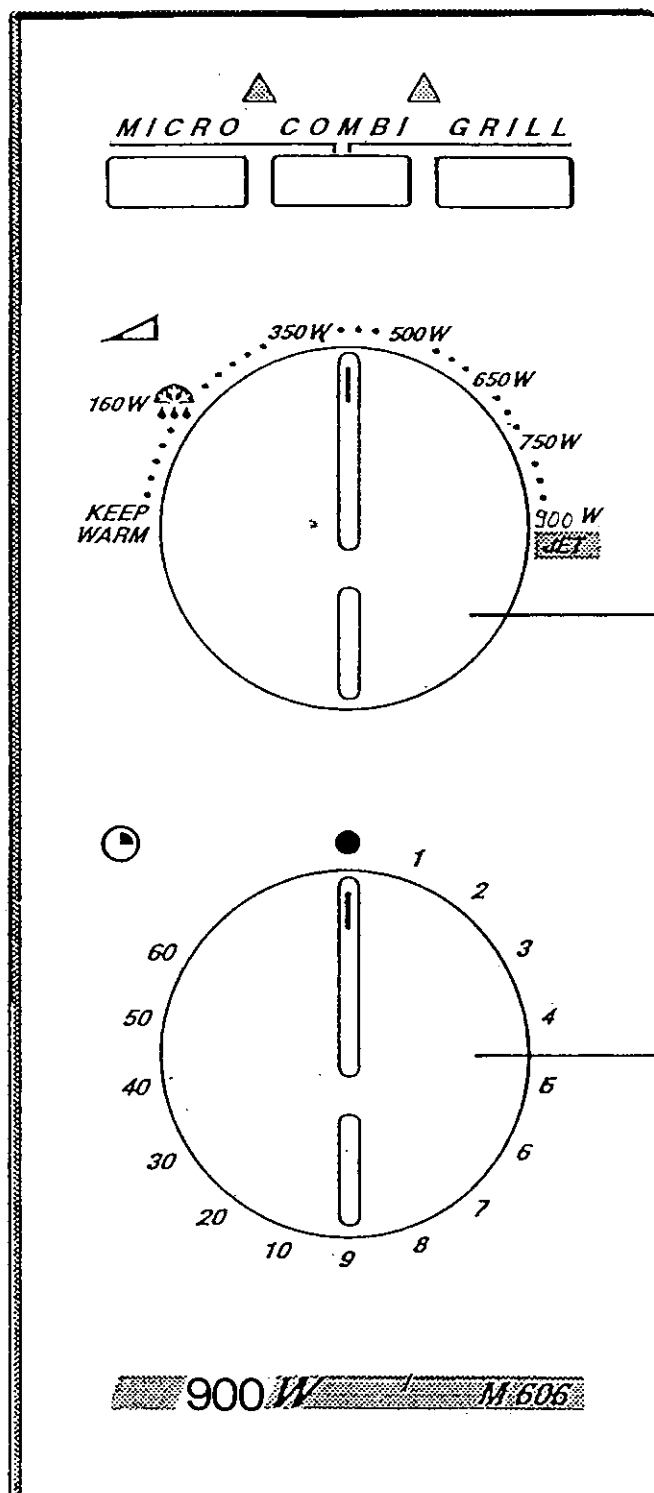
Do not operate the oven if the following conditions exist:

- The door does not close firmly against the door support because of the door being warped or the hinges damaged.
- The door trims or seals are damaged.
- If there is any visible damage to the oven.
- If the door does not close properly.

Avoid operating the oven if known components in the interlock system, oven door or microwave generating assembly are known defective. They must be replaced.

WARNING - HIGH VOLTAGE

IT IS POSSIBLE TO COME IN CONTACT WITH LETHAL HIGH VOLTAGE WHEN WORKING WITH HV TRANSFORMER, HV CAPACITOR, AND MAGNETRON. THEREFORE NEVER TRY TO MEASURE THE HIGH VOLTAGE. ALWAYS TAKE UTMOST CARE WHEN PERFORMING ELECTRIC MEASUREMENTS INSIDE THE OVEN.



1.	Technical Data	AVM 606	
1.1.	Dimensions of cabinet		
	Height	277	mm
	Width	525	mm
	Depth	338	mm
1.2.	Dimensions of cavity		
	Height	210	mm
	Width	340	mm
	Depth	290	mm
1.3.	Weight		
	Net	16,8	Kg
	Packed	17,5	Kg
1.4.	Electrical		
	Voltage/ frequency	230-240 / 50	V / Hz
	Power consumption	2600	W
	Current consumption	11,3	A
1.5.	Power		
	Output power	900	W
	Microwave frequency	2450	MHz
1.6	Grill		
	Quarzgrill	1000	W
1.7	Cavity volume	20	l
	Turntable diameter	280	mm
1.8.	Timer	60	min, mech.
1.9.	Accessories		
	Built in kit (optional)		

SERVICE

Date

24.09.92

Spare part list for MICROWAVE OVEN

Spare part list No.

4812 714 80005

Model

AVM 606 AV

AVM 606 WH

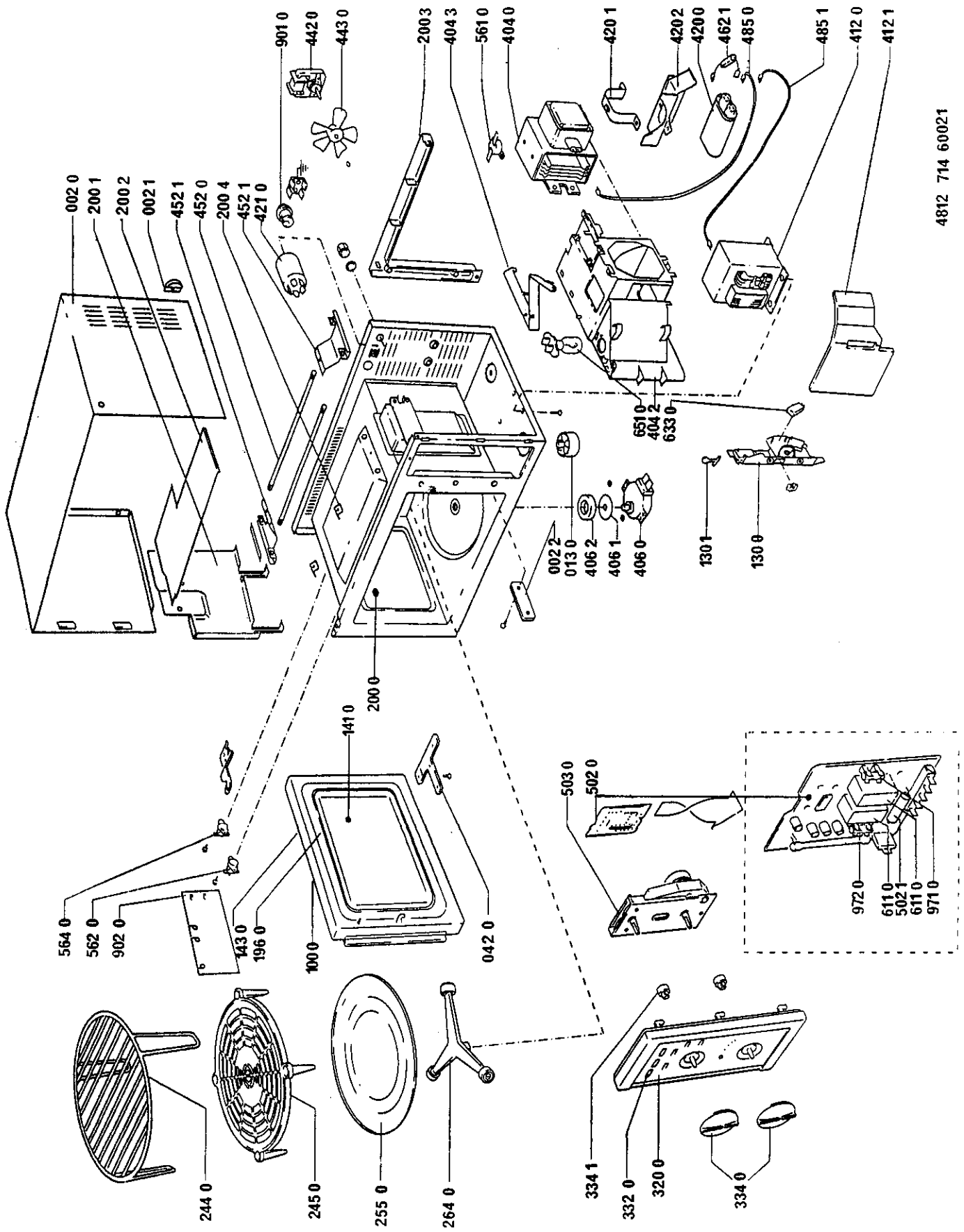
Type

1

2

Pos. No.	Spare Part No.	Denomination	Type
000 1	4819 532 58224	Lock wash not shown	1+2
002 0	4819 440 59446	Wrapping AV	1
002 0	4819 440 59448	Wrapping WH	2
002 1	4819 466 98739	Spacer AV	1
002 1	4819 466 98741	Spacer WH	2
002 2	4819 440 59444	Cover plate	1+2
013 0	4819 462 79423	Foot vip	1+2
042 0	4819 417 19248	Hinge lower assy	1+2
100 0	4819 440 59461	Door AV cpl.	1
100 0	4819 440 59462	Door WH cpl.	2
130 0	4819 271 38148	Switch holder assy door	1+2
130 1	4819 404 78492	Lever for switch holder	1+2
141 0	4819 450 69504	Outer glass	1+2
143 0	4819 459 48548	Outer frame AV	1
143 0	4819 459 48549	Outer frame WH	2
196 0	4819 459 48541	Inner frame	1+2
200 0	0000 000 00000	Oven cpl. not available	1+2
200 1	4819 462 38672	Air guide outer	1+2
200 2	4819 462 38671	Air guide top	1+2
200 3	4819 462 38669	Air guide chassi outer	1+2
200 4	4819 466 98742	Distance for cables	1+2
244 0	4819 458 19898	Grill grid high	1+2
245 0	4819 466 98731	Spacer	1+2
255 0	4819 466 78218	Turn table / glass plate	1+2
264 0	4819 535 78131	Turn table bearing	1+2
320 0	4819 453 49304	Panel AV	1
320 0	4819 453 49305	Panel WH	2
332 0	4819 410 28574	Button AV	1
332 0	4819 410 28575	Button WH	2
334 0	4819 413 58915	Knob AV	1
334 0	4819 413 58916	Knob WH	2
334 1	4819 413 38126	Knob for rotacode	1+2
352 0	4819 271 38115	Switch VKS not shown	1+2
404 0	4819 131 58019	Magnetron	1+2
404 2	4819 526 48298	Air channel	1+2
404 3	4819 526 48297	Wall air channel	1+2
406 0	4819 361 18292	Turn table motor	1+2
406 1	4819 532 68666	Rubber ring	1+2
406 2	4819 532 68665	Rubber seal	1+2
412 0	4819 148 68057	HT transformer SA version	1+2
412 0	4819 148 68058	HT transformer GB version only	1+2
412 1	4819 462 38665	Air guide transformator	1+2
420 0	4819 121 48016	HT capacitor	1+2
420 1	4819 404 78491	Holder for capacitor	1+2
420 2	4819 325 18036	Insulation for capacitor	1+2
421 0	4819 121 18197	Mains filter	1+2
442 0	4819 361 18313	Blower motor	1+2
443 0	4819 361 18314	Fan wheel assy	1+2
452 0	4819 259 98261	Quartz tube element assy	1+2

Subject to modification

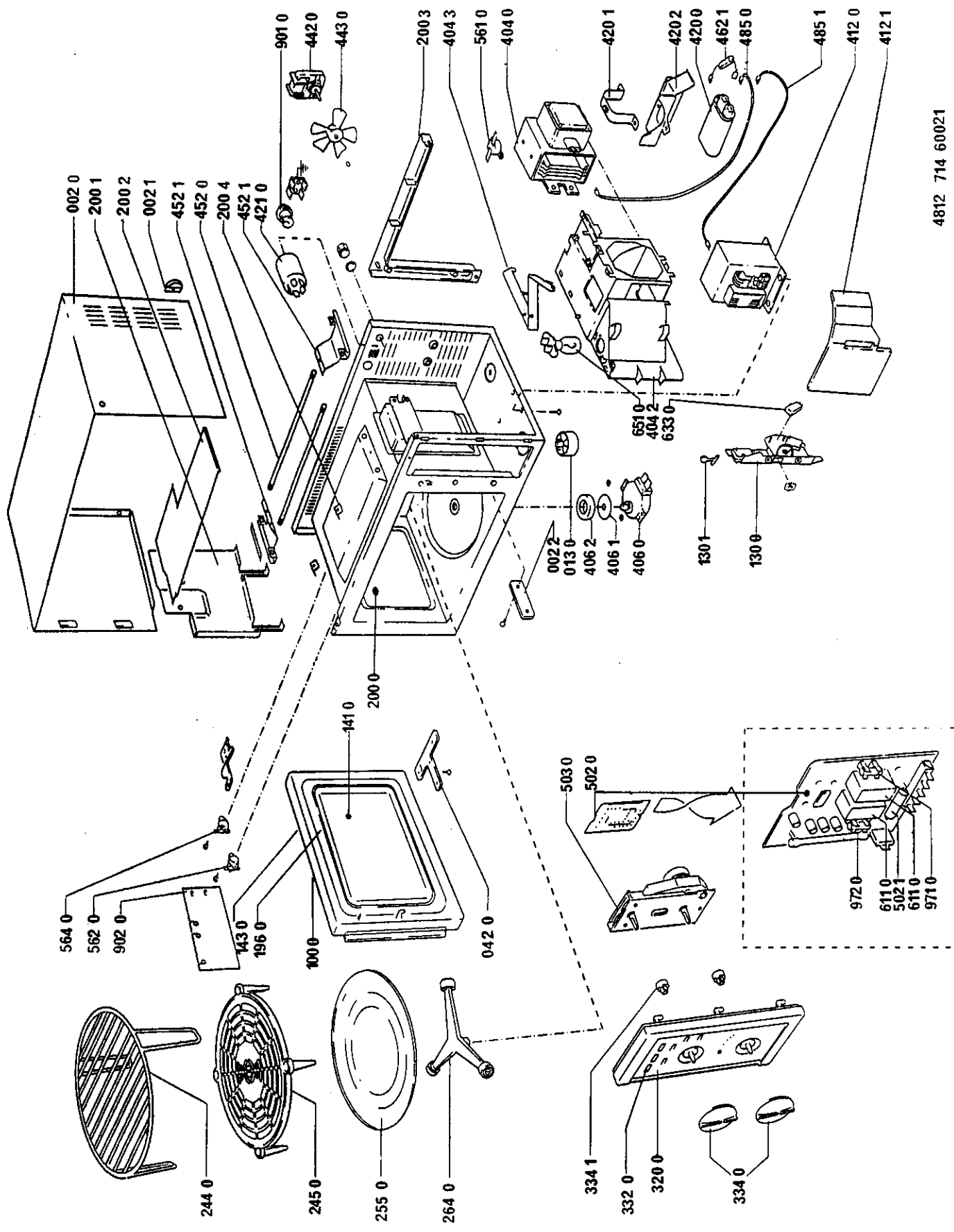


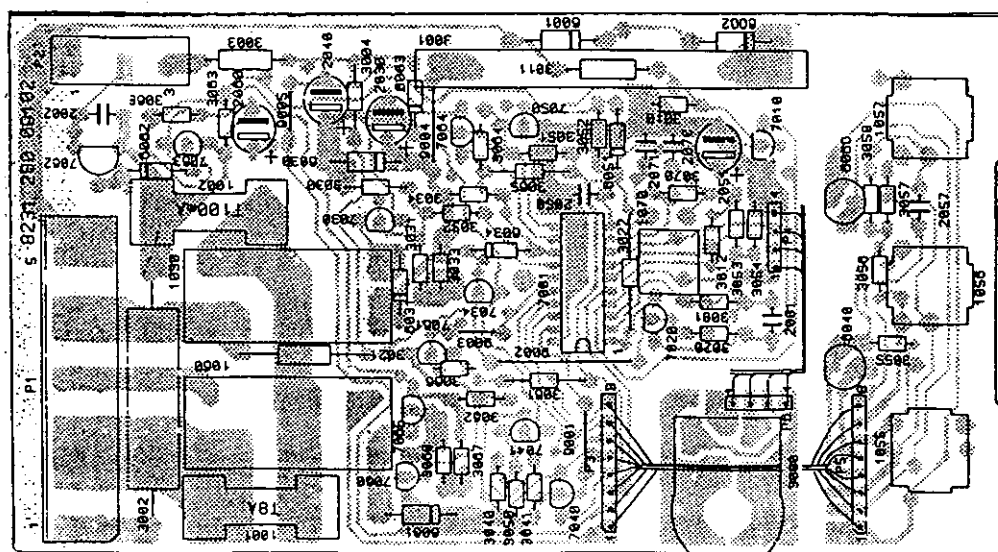
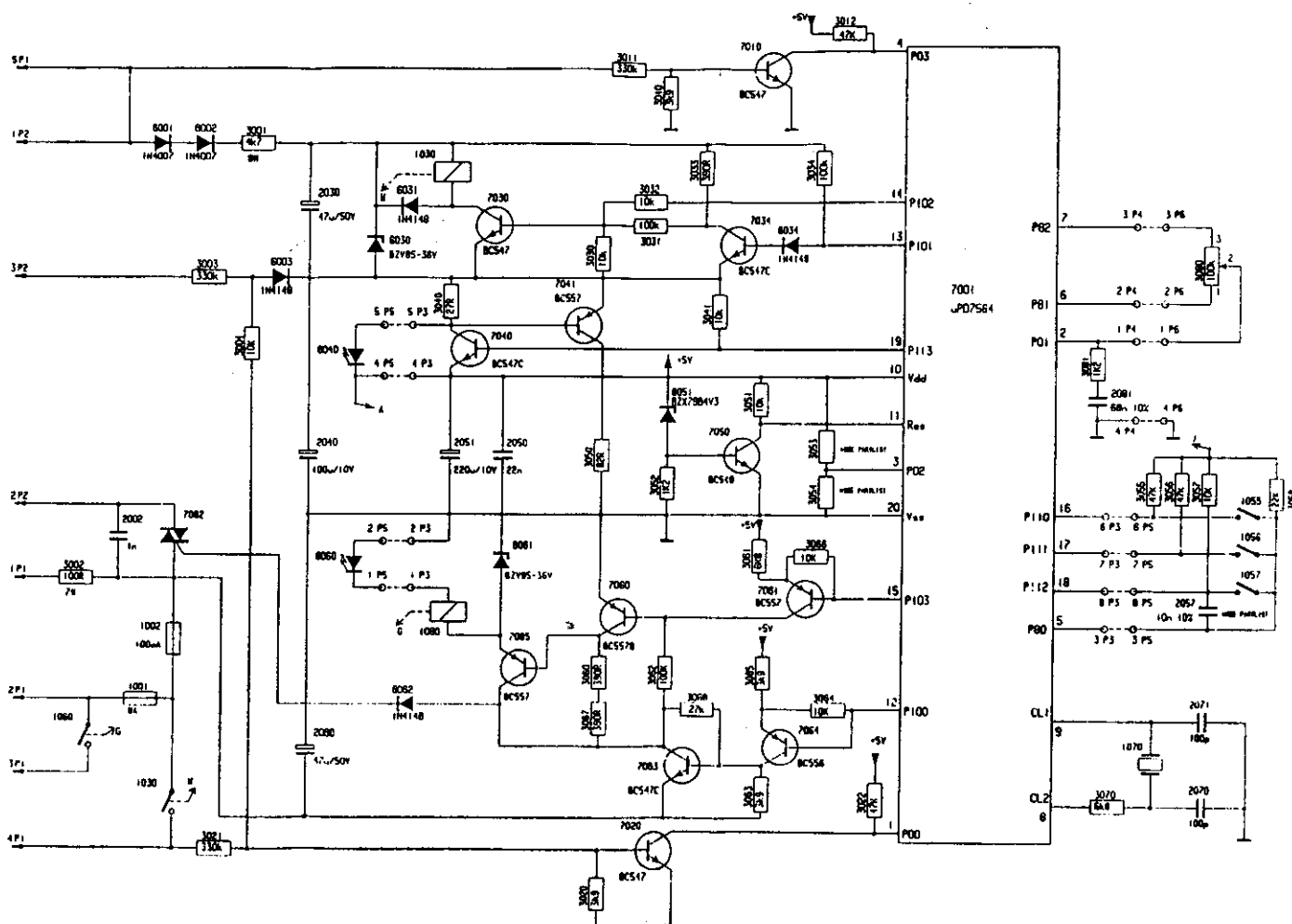
Model
Type

AVM 606 AV
1

AVM 606 WH
2

Pos. No.	Spare Part No.	Denomination	Type
452 1	4819 404 78511	Holder quartz	1 + 2
462 1	4819 218 38038	HV-Rectifier	1 + 2
485 0	4819 320 28014	Wire HT probe	1 + 2
485 1	4819 320 28013	Wire HT probe	1 + 2
490 0	4819 321 18129	Mains cable SA not shown	1 + 2
502 0	4819 214 78371	Control unit	1 + 2
502 1	4819 113 88001	Fail safe resistor 100Ohm	1 + 2
502 2	4819 130 38055	Led not shown	1 + 2
502 3	4819 105 18006	Potentiometer not shown	1 + 2
502 4	4819 130 28015	Triac not shown	1 + 2
503 0	4819 282 18566	Combitimer	1 + 2
561 0	4819 282 48237	Thermostat magnetron	1 + 2
562 0	4819 282 48242	Thermostat	1 + 2
564 0	4819 282 48243	Thermostat grill	1 + 2
611 0	4819 280 28005	Relay 48V	1 + 2
633 0	4819 271 38151	Microswitch	1 + 2
651 0	4819 134 88151	Cavity lamp 240V 25W	1 + 2
901 0	4819 401 18512	Mains cable clamp	1 + 2
902 0	4819 325 28039	Insulation	1 + 2
971 0	4819 253 38019	Fuse T8A	1 + 2
972 0	4819 253 38006	Fuse T100MA	1 + 2





BOARD ASSY	3053	3054	2057
4231088 45490	10k	100k	not present
4231088 45580	10k	100k	10n 10%
4231088 45590	100k	10k	not present
4231088 45600	100k	10k	10n 10%

